## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

09/910, 483 A
TFW16
09/19/2005

# ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 09/19/2005
PATENT APPLICATION: US/09/910,483A TIME: 10:06:35

Input Set: A:\USSN 09910483 seq listing edit 9-12-05.txt
Output Set: N:\CRF4\09192005\I910483A.raw

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3 <110> APPLICANT: FANG, FANG
         KOHLSTAEDT, LORI
         RENO, JOHN
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 7 <120> TITLE OF INVENTION: HUMANIZED ANTIBODIES
 9 <130> FILE REFERENCE: 014357/027 8772
11 <140> CURRENT APPLICATION NUMBER: 09/910,483A
12 <141> CURRENT FILING DATE: 2001-07-19
14 <160> NUMBER OF SEQ ID NOS: 96
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEO ID NO: 1
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20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial Sequence
23 <220> FEATURE:
24 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH Domain
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34 Tyr Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
37 Ala Arg Ile Asp Pro Ala Asn Asp Asn Thr Ile Tyr Ala Asp Ser Val
40 Lys Gly Arg Phe Thr Ile Ser Ser Asp Asp Ser Lys Asn Thr Ala Tyr
41 65
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                                             75
43 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
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54 <211> LENGTH: 348
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56 <213> ORGANISM: Artificial Sequence
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59 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH nucleotide
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64 tettgegeag caageggttt caacattaag gacacetaca tecattgggt gaggeaaget 120
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DATE: 09/19/2005

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PATENT APPLICATION: US/09/910,483A
                                                         TIME: 10:06:35
                Input Set : A:\USSN 09910483 seq listing edit 9-12-05.txt
                Output Set: N:\CRF4\09192005\I910483A.raw
65 ccgggtaagg gtctggagtg ggtggcacgt atcgacccgg caaacgacaa caccatttac 180
66 gctgacagcg tgaagggccg ttttactatt tctagcgacg actctaagaa caccgcgtac 240
67 cttcagatga actctctgcg tgccgaggac accgccgtct actactgcac ggactctggc 300
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73 <212> TYPE: PRT
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
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80 <400> SEQUENCE: 3
81 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
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84 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Asn Asn
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87 Leu His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
90 Tyr His Ala Ser Gln Ser Ile Ser Gly Val Pro Ser Arg Phe Ser Gly
                            55
93 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
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96 Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Asn Ser Trp Pro Tyr
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99 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
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103 <210> SEQ ID NO: 4
104 <211> LENGTH: 324
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106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VL nucleotide
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112 <400> SEQUENCE: 4
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114 attacttgcc gcgccagcca atctatcagt aataatcttc actggtatca acaaaaaccg 120
115 ggtaaagctc cqaaacttct tatctatcac qcctctcaqa qcattagcqq cqttccqaqc 180
116 cgettetetg getetggete gggeaeggae tttaccetta ccateagete tetteageeg 240
117 gaagactttg ccacctatta ttgtcagcag tctaatagct ggccgtatac cttcggtcaa 300
118 ggtaccaagg tcgagattaa gcgc
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123 <212> TYPE: PRT
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127 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH Domain
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130 <400> SEQUENCE: 5
131 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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RAW SEQUENCE LISTING

## RAW SEQUENCE LISTING DATE: 09/19/2005 PATENT APPLICATION: US/09/910,483A TIME: 10:06:35

Input Set : A:\USSN 09910483 seq listing edit 9-12-05.txt
Output Set: N:\CRF4\09192005\I910483A.raw

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134 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Lys Asp Thr
137 Tyr Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
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140 Ala Arg Ile Asp Pro Ala Asn Asp Asn Thr Ile Tyr Ala Asp Ser Val
143 Lys Gly Arg Phe Thr Ile Ser Ser Asp Asp Ser Lys Asn Thr Ala Tyr
                         70
146 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
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149 Thr Ala Ser Gly Tyr Trp Phe Ala Tyr Trp Gly Gln Gly Thr Leu Val
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161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH nucleotide
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167 tettgegeag caageggttt caacattaag gacacetaca tecattgggt gaggeaaget 120
168 ccgggtaagg gtctggagtg ggtggcacgt atcgacccgg caaacgacaa caccatttac 180
169 gctgacagcg tgaagggccg ttttactatt tctagcgacg actctaagaa caccgcgtac 240
170 cttcagatga actctctgcg tgccgaggac accgccgtct actactgcac ggcctctggc 300
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176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VL Domain
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183 <400> SEQUENCE: 7
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187 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Asn Asn
188
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                                     25
190 Leu His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
191
             35
                                 40
193 Tyr His Ala Ser Gln Ser Ile Ser Gly Val Pro Ser Arg Phe Ser Gly
         50
196 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
197 65
                                              75
199 Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Asn Ser Trp Pro Tyr
200
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DATE: 09/19/2005

#### PATENT APPLICATION: US/09/910,483A TIME: 10:06:35 Input Set: A:\USSN 09910483 seq listing edit 9-12-05.txt Output Set: N:\CRF4\09192005\I910483A.raw 202 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg 203 100 105 206 <210> SEQ ID NO: 8 207 <211> LENGTH: 324 208 <212> TYPE: DNA 209 <213> ORGANISM: Artificial Sequence 211 <220> FEATURE: 212 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VL nucleotide 213 sequence of Hum B 215 <400> SEQUENCE: 8 216 gatatecaga tgacecaate teegtetage etgagegeea gtgttggtga tegagttace 60 217 attacttqcc qcqccaqcca atctatcaqt aataatcttc actqqtatca acaaaaaccq 120 218 ggtaaagete egaaaettet tatetateae geeteteaga geattagegg egtteegage 180 219 egettetetg getetggete gggeaeggae tittaceetta ecateagete tetteageeg 240 220 gaagactttg ccacctatta ttgtcagcag tctaatagct ggccgtatac cttcggtcaa 300 221 ggtaccaagg tcgagattaa gcgc 224 <210> SEQ ID NO: 9 225 <211> LENGTH: 116 226 <212> TYPE: PRT 227 <213> ORGANISM: Artificial Sequence 229 <220> FEATURE: 230 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH Domain 231 peptide of Hum C 233 <400> SEQUENCE: 9 234 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly 235 237 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Lys Asp Thr 20 25 240 Tyr Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val 40 243 Ala Arg Ile Asp Pro Ala Asn Asp Asn Thr Ile Tyr Ala Asp Ser Val 246 Lys Gly Arg Phe Thr Ile Ser Gly Asp Asp Ser Lys Asn Thr Ala Tyr 247 65 75 249 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys 250 85 90 252 Thr Thr Ser Gly Tyr Trp Phe Ala Tyr Trp Gly Gln Gly Thr Leu Val 100 105 255 Thr Val Ser Ser 256 115 259 <210> SEQ ID NO: 10 260 <211> LENGTH: 348 261 <212> TYPE: DNA 262 <213> ORGANISM: Artificial Sequence 264 <220> FEATURE: 265 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH nucleotide 266 sequence of Hum C 268 <400> SEQUENCE: 10 269 gaagttcaac ttgttgagtc tggtggcggt ctggttcagc cgggtggctc tctgcgcctg 60

RAW SEQUENCE LISTING

### RAW SEQUENCE LISTING DATE: 09/19/2005 PATENT APPLICATION: US/09/910,483A TIME: 10:06:35 Input Set : A:\USSN 09910483 seq listing edit 9-12-05.txt Output Set: N:\CRF4\09192005\I910483A.raw 270 tettgegeag caageggttt caacattaag gacacetaca tecattgggt gaggeaaget 120 271 ccgggtaagg gtctggagtg ggtggcacgt atcgacccgg caaacgacaa caccatttac 180 272 gctgacagcg tgaagggccg ttttactatt tctggcgacg actctaagaa caccgcgtac 240 273 etteagatga aetetetgeg tgeegaggae aeegeegtet aetaetgeae gaeetetgge 300 274 tactggtttg cctactgggg ccagggcacg cttgtcaccg tctcttct 277 <210> SEQ ID NO: 11 278 <211> LENGTH: 108 279 <212> TYPE: PRT 280 <213> ORGANISM: Artificial Sequence 282 <220> FEATURE: 283 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VL Domain peptide of Hum C 286 <400> SEQUENCE: 11 287 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly 288 5 10 290 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Asn Asn 293 Leu His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile 294 35 40 296 Tyr His Ala Ser Gln Ser Ile Ser Gly Val Pro Ser Arg Phe Ser Gly 297 50 299 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro 302 Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Asn Ser Trp Pro Tyr 305 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg 306 100 105 309 <210> SEQ ID NO: 12 310 <211> LENGTH: 324 311 <212> TYPE: DNA 312 <213> ORGANISM: Artificial Sequence 314 <220> FEATURE: 315 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VL nucleotide 316 sequence of Hum C 318 <400> SEQUENCE: 12 319 gatatccaga tgacccaatc tccgtctagc ctgagcgcca gtgttggtga tcgagttacc 60 320 attacttqcc qcqccaqcca atctatcaqt aataatcttc actqqtatca acaaaaaccq 120 321 ggtaaagete egaaaettet tatetateae geeteteaga geattagegg egtteegage 180 322 egettetetg getetggete gggeaeggae tittaceetta eeateagete tetteageeg 240 323 gaagactttg ccacctatta ttgtcagcag tctaatagct ggccgtatac cttcggtcaa 300 324 qqtaccaaqq tcqaqattaa qcqc 327 <210> SEQ ID NO: 13 328 <211> LENGTH: 116 329 <212> TYPE: PRT 330 <213> ORGANISM: Artificial Sequence 332 <220> FEATURE: 333 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH Domain peptide of Hum D

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VERIFICATION SUMMARY

DATE: 09/19/2005

PATENT APPLICATION: US/09/910,483A

TIME: 10:06:36

Input Set : A:\USSN 09910483 seq listing edit 9-12-05.txt

Output Set: N:\CRF4\09192005\I910483A.raw